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ABSTRACT OF THE DISCLOSURE

A water-resistant telecommunication cable is disclosed comprising a solid and compact element surrounding at least one optical transmitting element, wherein the element is made from a vinyl alcohol/vinyl acetate copolymer having a hydrolysis degree of about 60% to about 95% and a polymerization degree higher than about 2,500; at least a first solid plasticizer having a melting point between 50° and 110°C, and a second solid plasticizer having a melting point equal or higher than 140°C, in an amount of about 10-30 and 1-10 parts by weight per hundred parts by weight of the copolymer, respectively; the water-soluble polymer material showing: a complex modulus (G^*) equal to or higher than $2.5 \cdot 10^6$ Mpa; a ratio of the viscous modulus to the elastic modulus ($\tan \delta$) equal to or lower than 2.30; and a glass transition temperature (T_g) of about 20° to about 35°C.